DOCUMENT RESUME

ED 341 577 SE 052 702

AUTHOR Niskern, Diana, Comp.
TITLE Freshwater Ecology. LC Science Tracer Bullet.
INSTITUTION Library of Congress, Washington, DC. Science and Technology Div.
REPORT NO ISSN-0090-5232; TB-90-7
PUB DATE Aug 90
NOTE 13p.
AVAILABLE FROM Science Reference Section, Science and Technology Division, Library of Congress, 10 First Street, S.E., Washington, DC 20540.
PUB TYPE Reference Materials - Bibliographies (131)

EDRS PRICE MF01/PC01 Plus Postage.
DESCRIPTORS Audiovisual Aids; Books; *Ecology; Library Materials; Periodicals; Reference Materials; *Resource Materials; Science Education; *Water Resources
IDENTIFIERS *Freshwater Systems; Wetlands

ABSTRACT

Freshwater ecosystems include lakes, ponds, streams, rivers, and certain types of wetlands. This literature and resources guide is not intended to be a comprehensive bibliography on freshwater ecology; the guide is designed--as the name of the series implies--to put the reader or student "on target." Other literature guides related to freshwater ecology are Acid Rain (LC Science Tracer Bullet 86-11), Algae (LC Science Tracer Bullet 88-1), and Environmental Science Projects (LC Science Tracer Bullet 90-2). Sections of this bibliography include: (1) introductions to the topic; (2) subject headings used by the Library of Congress, under which books on freshwater ecology can be located in most card, book, and online catalogs; (3) basic texts; (4) specialized titles; (5) titles suitable for nature study or environmental education; (6) handbooks and dictionaries; (7) bibliographies; (8) state-of-the-art reviews and conference proceedings; (9) government publications; (10) abstracting and indexing services that index relevant journal articles and other literature on freshwater ecology; (11) journals that often contain relevant articles; (12) representative journal articles; (13) selected technical reports; (14) selected materials available in the Science Reading Room pamphlet boxes; and (15) additional sources of information. (KR)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

LC Science Tracer Bullet

Science Reference Section, Science and Technology Division
Library of Congress, 10 First Street, S.E., Washington, D.C. 20540

ISSN 0090-5232

ED341577

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY
John F. Price
Science & Tech. Div.
TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

FRESHWATER ECOLOGY

Compiled by Diana Niskern

TB 90-7 August 1990

SCOPE: Freshwater ecosystems include lakes, ponds, streams, rivers, and certain types of wetlands. This literature guide is not intended to be a comprehensive bibliography on freshwater ecology; the guide is designed--as the name of the series implies--to put the reader "on target." Other literature guides related to freshwater ecology are Acid Rain (LC Science Tracer Bullet 86-11), Algae (LC Science Tracer Bullet 88-1), and Environmental Science Projects (LC Science Tracer Bullet 90-2).

INTRODUCTIONS TO THE TOPIC

Odum, Eugene Pleasants. Freshwater ecosystems. In his Basic ecology. Philadelphia, Saunders College Pub., c1983. p. 543-547. QH541.O312 1983*

Schindler, James E. Freshwater ecosystems: a perspective. In Concepts of ecosystem ecology: a comparative view. L. R. Pomeroy, J. J. Alberts, editors. New York, Springer-Verlag, c1988. p. 57-74. (Ecological studies, v. 67) QH541.145.C64 1988
Fairly technical. Includes many references.

Smith, Robert Leo. Freshwater ecosystems. In his Ecology and field biology. 4th ed. New York, Harper and Row, c1990. p. 833-878. QH541.S6 1990*
Includes bibliographical references.

SUBJECT HEADINGS used by the Library of Congress, under which books on freshwater ecology can be located in most card, book, and online catalogs, include the following:

FRESHWATER ECOLOGY (Highly relevant)
Note: Older entries may be under FRESH-WATER ECOLOGY
LIMNOLOGY (Highly relevant)
FLOODPLAIN ECOLOGY (Relevant)
FRESHWATER PRODUCTIVITY (Relevant)

*Available in reference collection, Science Reading Room

BEST COPY AVAILABLE

SE052702

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)
☐ This document has been reproduced as received from the person or organization originating it.
☐ Minor changes have been made to improve reproduction quality.
• Points of view or opinions stated in this document do not necessarily represent official OERI position or policy.

LAKE ECOLOGY (Relevant)
MARSH ECOLOGY (Relevant)
POND ECOLOGY (Relevant)
RESERVOIR ECOLOGY (Relevant)
STREAM ECOLOGY (Relevant)
SWAMP ECOLOGY (Relevant)
WETLAND ECOLOGY (Relevant)
See also BOG ECOLOGY and PEAT BOG ECOLOGY
EUTROPHICATION (Related)
FISHES, FRESH-WATER and FISHES, FRESHWATER (Related)
See also names of classes, orders, etc. of freshwater fishes
FRESHWATER BIOLOGY (Related)
FRESHWATER FAUNA (Related)
See also FRESHWATER INVERTEBRATES, FRESHWATER ZOOPLANKTON, LAKE FAUNA, etc.
FRESHWATER FLORA (Related)
See also BOG FLORA, FRESHWATER ALGAE, FRESHWATER PHYTOPLANKTON, LAKE FLORA, STREAM PLANTS, WETLAND FLORA, etc.
FRESHWATER MICROBIOLOGY (Related)
AQUATIC ECOLOGY (More general)

It may be necessary to check individual titles as well as subject headings under Freshwater, Fresh-Water, and Fresh Water in the catalogs.

BASIC TEXTS

Cole, Gerald A. Textbook of limnology. 3rd ed. St. Louis, Mosby, 1983. 401 p.
Bibliography: p. 345-368. QH96.C63 1983*

Fundamentals of aquatic ecosystems. Edited by R. S. K. Barnes, K. H. Mann. Oxford, Boston, Blackwell Scientific Publications; St. Louis, Mo., Blackwell Mosby Book Distributors, 1980. 229 p. QH541.5.W3F86
Bibliography: p. 216-220.
" ... an attempt to provide the undergraduate with a text concentrating on the common, fundamental features of all aquatic systems."

Goldman, Charles Remington, and Alexander J. Horne. Limnology. New York, McGraw-Hill, c1983. 464 p. QH96.G63 1983*
Bibliography: p. 411-433.

Hutchinson, G. Evelyn. A treatise on limnology. New York, Wiley, 1957-
Includes bibliographies. QH98.H82*
Contents (incomplete): v. 1. Geography, physics, and chemistry. v. 2. Introduction to lake biology and the limnoplankton. v. 3. Limnological botany.

Moss, Brian. Ecology of fresh waters: man and medium. 2nd ed. Oxford, Boston, Blackwell Scientific Publications, 1988. 417 p. QH541.5.F7M67 1988
Bibliography: p. 367-398.

Wetzel, Robert G. Limnology. 2nd ed. Philadelphia, Saunders, c1983. 767, 81, 10 p.
Bibliography: p. 1-81 (2nd group). QH96.W47 1983*

SPECIALIZED TITLES

An Ecosystem approach to aquatic ecology: Mirror Lake and its environment. Edited by Gene E. Likens. New York, Springer-Verlag, c1985. 516 p. QH105.N4E3 1985
Bibliography: p. 445-496.

The Fate and effects of oil in freshwater. Edited by J. Green and M. W. Trett. London, New York, Elsevier Applied Science; New York, Sole distributor in the USA and Canada, Elsevier Science Pub. Co., c1989. 338 p. TD427.P4F37 1989
Bibliography: p. 279-314.

The Functioning of freshwater ecosystems. Edited by E. D. Le Cren and R. H. Lowe-McConnell. Cambridge, Eng., New York, Cambridge University Press, 1980. 588 p. (International Biological Programme, 22) QH541.5.F7F86
Bibliography: p. 505-570.

Hairston, Nelson G. Ecological experiments: purpose, design, and execution. Cambridge, Eng., New York, Cambridge University Press, 1989. 370 p. QH541.24.H35 1989*
See especially "Experiments in fresh water" (p. 200-259).
Bibliography: p. 329-351.

Johnson, Charles W. Bogs of the Northeast. With the advice and assistance of Ian A. Worley. Hanover, N.H., University Press of New England, 1985. 269 p.
QH104.5.N58J64 1985

Kirk, John T. O. Light and photosynthesis in aquatic ecosystems. Cambridge, Eng., New York, Cambridge University Press, 1983. 401 p. QK882.K53 1983
Bibliography: p. 358-388.

Lake and reservoir restoration. G. Dennis Cooke and others. Boston, Butterworths, c1986. 392 p. TC409.L35 1986b
Includes bibliographies.

Lakes and reservoirs. Edited by F. B. Taub. Amsterdam, New York, Elsevier; New York, Distributors for the U.S. and Canada, Elsevier Science Pub. Co., 1984. 643 p. (Ecosystems of the world, 23) QH541.5.L3L34 1984
Includes bibliographies.

Mitsch, William J., and James G. Gosselink. Wetlands. New York, Van Nostrand Reinhold Co., c1986. 539 p. QH541.5.M3M59 1986*
Bibliography: p. 475-515.

Payne, A. I. The ecology of tropical lakes and rivers. Chichester, Eng., New York, Wiley, c1986. 301 p. QH84.5.P38 1986
Bibliography: p. 271-289.

Riemer, Donald N. Introduction to freshwater vegetation. Westport, Conn., AVI Pub. Co., c1984. 207 p. QK932.R54 1984*
Includes bibliographies.

Zaret, Thomas M. Predation and freshwater communities. New Haven, Yale University Press, c1980. 187 p. QH541.5.F7Z37
Bibliography: p. 155-180.

TITLES SUITABLE FOR NATURE STUDY OR ENVIRONMENTAL EDUCATION

Burgis, Mary, and Pat Morris. The natural history of lakes. Cambridge, Eng., New York, Cambridge University Press, 1987. 218 p. QH96.15.B87 1987
Bibliography: p. 211-213.

Caduto, Michael J. Pond and brook: a guide to nature study in freshwater environments. Englewood Cliffs, N.J., Prentice-Hall, c1985. 276 p. QH541.5.F7C33 1985
Includes bibliographies.

Cvancara, Alan M. At the water's edge: nature study in lakes, streams, and ponds. New York, Wiley, c1989. 232 p. QH541.5.F7C82 1989
Explores what can be learned while traveling by canoe or kayak or while snorkeling.

Lyons, Janet, and Sandra Jordan. Walking the wetlands: a hiker's guide to common plants and animals of marshes, bogs, and swamps. New York, Wiley, c1989. 222 p.
Bibliography: p. 215-217. QH104.L96 1989b

Niering, William A. Wetlands. New York, Knopf, 1985. 638 p. (The Audubon Society nature guides) QH102.N54 1985

Thompson, Gerald, and Jennifer Coldrey. The pond. Cambridge, Mass., MIT Press, 1984. 256 p. QH541.5.P63T48 1984
" ... an illustrated guide to the main types of animals and plants found in ponds throughout the world."

Weller, Milton Webster. Freshwater marshes: ecology and wildlife management. 2nd ed. Minneapolis, University of Minnesota Press, c1987. 150 p. QH541.5.M3W44 1987
Bibliography: p. 131-141.
"Intended ... for interested laypersons, students, and professionals in other fields."

HANDBOOKS and DICTIONARIES

Allaby, Michael. Dictionary of the environment. 3rd ed. New York, New York University Press, 1989. 423 p. QH540.4.A44 1989*

Freshwater macroinvertebrates of northeastern North America. Barbara L. Peckarsky and others. Ithaca, Comstock Pub. Associates, c1990. 442 p. QL151.F75 1990*
Includes bibliographical references.

An Introduction to the aquatic insects of North America. Edited by Richard W. Merritt, Kenneth W. Cummins. 2nd ed. Dubuque, Iowa, Kendall/Hunt Pub. Co., c1984. 722 p. QL473.I57 1984*
Bibliography: p. 653-710.

Lewis, Walter Hepworth. Ecology field glossary: a naturalist's vocabulary. Westport, Conn., Greenwood Press, 1977. 152 p. QH540.4.L48*
" ... intended largely for the nonspecialist ... in the environmental and natural sciences."

Lind, Owen T. Handbook of common methods in limnology. 2nd ed. Dubuque, Iowa, Kendall/Hunt Pub. Co., c1985. 199 p. QH96.57.A1L55 1985

Pennak, Robert W. Fresh-water invertebrates of the United States: protozoa to mollusca. 3rd ed. New York, Wiley, c1989. 628 p. QL141.P45 1989*
Includes bibliographies.

Prescott, G. W. How to know the aquatic plants. 2nd ed. Dubuque, Iowa, W. C. Brown Co., c1980. 158 p. (The Pictured key nature series) QK115.P74 1980
" ... written for those who may not be experienced botanists, but who wish an introduction to plants in the aquatic environment, and to know their names."

BIBLIOGRAPHIES

Aquatic biota of Mexico, Central America, and the West Indies: being a compilation of taxonomic bibliographies for the fauna and flora of inland waters of Mesoamerica and the Caribbean region. Edited by Stuart H. Hurlbert, Alejandro Villalobos-Figueroa. San Diego, Calif., S. H. Hurlbert [distributor], 1982. 529 p. Z5322.F7A66 1982

The Ecological impacts of wastewater on wetlands: an annotated bibliography. U.S. Environmental Protection Agency, Region V, and U.S. Fish and Wildlife Service, Eastern Energy and Land Use Team. Chicago, Ill., The Region, 1984. 336 p. in various pagings. Z5853.S22E29 1984
"EPA-905/3-84-002."

Hart, C. W., and Janice Clark. An interdisciplinary bibliography of freshwater crayfishes (Astacoidea and Parastacoidea) from Aristotle through 1985, updated through 1987. Washington, Smithsonian Institution Press, c1989. 498 p. Z7997.C7H37 1989

Haynes, Ronnie J., James A. Allen, and Edward C. Pendleton. Reestablishment of bottomland hardwood forests on disturbed sites: an annotated bibliography. Slidell, La., U.S. Dept. of the Interior, Fish and Wildlife Service, National Wetlands Research Center, 1988. 104 p. (Biological report, 88(42)) Z5991.H4 1988
"I 49.89/2:88(42)."

Kirby, Ronald E., Stephen J. Lewis, and Terry N. Sexson. Fire in North American wetland ecosystems and fire-wildlife relations: an annotated bibliography. Washington, Fish and Wildlife Service, U.S. Dept. of the Interior, 1988. 146 p. (Biological report, 88(1)) QH102.K57 1988

STATE-OF-THE-ART REVIEWS and CONFERENCE PROCEEDINGS

Community structure and function in temperate and tropical streams; proceedings of a symposium. Journal of the North American Benthological Society, v. 7, Dec. 1988: 261-529. QL141.F73

Comparative ecology of freshwater and marine ecosystems: invited reviews from an international meeting, Nairobi, Kenya, 30 September-4 October 1985. Limnology and oceanography, v. 33, July 1988: 649-1025. GC1.L5

Complex interactions in lake communities. Edited by Stephen R. Carpenter. New York, Springer-Verlag, c1988. 283 p. QH541.5.L3C66 1988
Proceedings of a workshop held at the University of Notre Dame, March 21-26, 1987.
Includes bibliographies.

Interdisciplinary approaches to freshwater wetlands research. Douglas A. Wilcox, editor. East Lansing, Mich., Michigan State University Press, 1988. 163 p. QH104.I87 1988
Papers presented at the fourth Conference on Science in the National Parks held in 1986 at Ft. Collins, Colorado, and sponsored by the United States National Park Service and the George Wright Society.

International Association of Theoretical and Applied Limnology. Verhandlungen der Internationalen Vereinigung für Theoretische und Angewandte Limnologie. Stuttgart, E. Schweizerbart'sche Verlagsbuchhandlung, 1923- QH98.I5
Title varies slightly.

Northern prairie wetlands. Edited by Arnold van der Valk. Ames, Iowa State University, 1989. 400 p. QH104.5.G73N67 1989
Papers presented at a regional symposium held in Nov. 1985 at the Northern Prairie Wildlife Research Center, Jamestown, N.D., and sponsored by the National Wetlands Technical Council.
Includes bibliographies.

Plenary Symposium on the Testing of General Ecological Theory in Lotic Ecosystems (1981, Provo, Utah). Stream ecology: application and testing of general ecological theory. Edited by James R. Barnes and G. Wayne Minshall. New York, Plenum Press, c1983. 399 p. QH541.5.S7P55 1981

"Based on the proceedings of the Plenary Symposium on the Testing of General Ecological Theory in Lotic Ecosystems held in conjunction with the 29th annual meeting of the North American Benthological Society, April 28, 1981, Provo, Utah."

Rationale for sampling and interpretation of ecological data in the assessment of freshwater ecosystems: a symposium sponsored by ASTM Committee D-19 on Water, Philadelphia, Pa., 31 Oct.-1 Nov. 1983. Billy G. Isom, editor. Philadelphia, Pa., American Society for Testing and Materials, c1986. 193 p. (ASTM special technical publication, 894) QH96.8.B5R38 1986

GOVERNMENT PUBLICATIONS

An Ecological characterization of Rocky Mountain montane and subalpine wetlands. By John T. Windell and others. Washington, Fish and Wildlife Service, U.S. Dept. of the Interior, 1986. 298 p. (Biological report, 86 (11)) QH104.5.R6E28 1986

Bibliography: p. 239-271.

The Ecology of bottomland hardwood swamps of the Southeast: a community profile. By Charles H. Wharton and others. Performed for National Coastal Ecosystems Team, Biological Services Program, Fish and Wildlife Service, U.S. Department of the Interior. Washington?, The Service, 1982. 133 p. QH104.5.S59E36 1982

"FWS/OBS-81/37."

Includes bibliographies.

The Ecology of tidal freshwater marshes of the United States east coast: a community profile. By William E. Odum and others. Performed for National Coastal Ecosystems Team, Division of Biological Services, Research and Development, Fish and Wildlife Service, U.S. Department of the Interior. Washington, Fish and Wildlife Service, U.S. Dept of the Interior, 1984. 177 p. QH104.5.A84E25 1984

"FWS/OBS-83/17."

Bibliography: p. 96-113.

Kantrud, Harold A., Gary L. Krapu, and George A. Swanson. Prairie basin wetlands of the Dakotas: a community profile. Washington, U.S. Dept. of the Interior, Fish and Wildlife Service, Research and Development, 1989. 111 p. (Biological report, 85 (7.28)) QH105.N9K36 1989

Includes bibliographical references (p. 77-89).

Sather, J. Henry, and R. Daniel Smith. An overview of major wetland functions and values. Performed for Western Energy and Land Use Team, Division of Biological Services, Research and Development, Fish and Wildlife Service, U.S. Department of the Interior. Washington, The Team, 1984. 68 p. QH104.S28 1984

"FWS/OBS-84/18."

Includes extensive bibliographies.

Winger, Parley V. Forested wetlands of the southeast: review of major characteristics and role in maintaining water quality. Washington, U.S. Dept. of the Interior, Fish and Wildlife Service, 1986. 16 p. (Resource publication, 163) S914.A3 no. 163
Bibliography: p. 10-16.

ABSTRACTING AND INDEXING SERVICES that index relevant journal articles and other literature on freshwater ecology are listed below. Some suggested terms are given as aids in searching.
The following indexes are available in most public and college libraries:

Applied Science & Technology Index (1913-) Z7913.I7*
See: Eutrophication; Limnology
Headings beginning Fresh Water

Biological & Agricultural Index (1916-) Z5073.A46*
See: Fresh Water Ecology and other headings beginning Fresh Water

General Science Index (1978-) Z7401.G46*
See: Freshwater Ecology; Lakes; Marsh(es), etc.

Magazine Index Available in several formats in LC
See: Freshwater Ecology; Lake Ecology; Marsh Ecology; Pond Ecology; Stream Ecology; Wetland Ecology

Readers' Guide to Periodical Literature (1900-) AI3.R48
See: Freshwater Ecology; Lake Ecology; Pond Ecology; Stream Ecology

The following abstracting and indexing services, which should be used for more exhaustive searches, may be available only in large or specialized libraries.

Aquatic Sciences and Fisheries Abstracts. Part 1, Biological Sciences and Living Resources (1971-) QH90.A1A68*
See: Freshwater Ecology and other headings beginning Freshwater; Limnology

Biological Abstracts (1926-) QH301.B37*
See: Fresh Water, Fresh-Water, and Freshwater
See also such keywords as Lake(s), Limnology, Marsh, Pond(s), River(s), Swamp(s), Wetland(s), etc.

Ecological Abstracts (1974-) QH540.E27*
See: Freshwater Ecosystem(s); Lake Ecosystem; Limnology; Marsh; Pond(s), Stream Ecosystem
Headings beginning Freshwater, Lake(s), Stream, River(s), Wetland(s)

Note: Consult reference librarian for location of abstracting and indexing services in the Science Reading Room.

Ecology Abstracts (1975-) QH540.A66*
See: Freshwater Ecosystems and other headings beginning Freshwater; Limnology

Environment Index (1971-1987) Z5322.E2E57* and Environment Abstracts Annual (1988-) GF1.E553*
See: Ecology, Aquatic; Eutrophication; Fish, Freshwater; Lakes; Limnology; Marshes; Rivers; Swamps; Wetlands

Meteorological & Geoastrophysical Abstracts (1950-) QC851.A62*
See: Headings beginning Lake, Limnological, River, Wetlands, etc.

Pollution Abstracts (1970-) TD172.P65*
See: Eutrophication; Limnology; Ponds; Rivers; Wetlands
Headings beginning Freshwater and Lake(s)

Science Citation Index (1961-) Z7401.S365*
See especially Permuterm Subject Index (1966-) for entries under keywords of interest

Selected Water Resources Abstracts (1968-) TC1.S45*
See: Eutrophication; Fresh Water; Freshwater; Lakes; Limnology; Rivers

Wildlife Review (1935-) SK351.W58*
See: Wildlife--Wetlands/Islands/Riparian Habitat & Wildlife; Wildlife--General Ecosystems

Zoological Record (1864-) Z7991.Z87*
See especially section 1, Comprehensive Zoology, for Ecology and headings beginning Freshwater, Lake, Pond, Reservoir, River, Stream, etc.

Online data bases may be available in some libraries. Data bases likely to be useful for topics related to freshwater ecology include Aquatic Sciences and Fisheries Abstracts, BIOSIS Previews, CAB Abstracts, Enviroline, Environmental Bibliography, GEOBASE, GEOREF, Pollution Abstracts, SCISEARCH, Water Resources Abstracts, and Zoological Record.

JOURNALS that often contain relevant articles include the following:

American Midland Naturalist QH1.A35
Aquatic Sciences (formerly Schweizerische Zeitschrift für Hydrologie) GB651.S35
Archiv für Hydrobiologie QH301.A493
BioScience QH1.A277
Canadian Journal of Fisheries and Aquatic Sciences QH1.C143
Ecology QH540.E3
Freshwater Biology QH96.A1F73
Hydrobiologia QH90.H9
Journal of Ecology QH540.J68
Journal of Freshwater QH96.A1J68
Nontechnical; official publication of the Freshwater Biological Research Foundation.

Journal of Freshwater Ecology QH541.5.F7J68
Journal of Great Lakes Research GB1627.G8J68
Journal of the North American Benthological Society (formerly Freshwater Invertebrate Biology) QL141.F73
Limnology and Oceanography GC1.L5
Oikos QH540.O35
Tropical Ecology QH540.T7

REPRESENTATIVE JOURNAL ARTICLES

Björk, Sven. Redevelopment of lake ecosystems--a case-study approach. Ambio, v. 17, no. 2, 1988: 90-98. QH540.A52

Branson, Branley Allan. Is there life after strip mining? Natural history, v. 95, Aug. 1986: 30-37. QH1.N13

Brugam, Richard B., and Jose Vallarino. Paleolimnological investigations of human disturbance in Western Washington lakes. Archiv für hydrobiologie, v. 116, Aug. 1989: 129-159. QH301.A493

Carpenter, S. R., and others. Regulation of lake primary productivity by food web structure. Ecology, v. 68, Dec. 1987: 1863-1876. QH540.E3

Carter, Virginia, and others. Effects of submersed macrophytes on water quality in the tidal Potomac River, Maryland. Journal of freshwater ecology, v. 4, Dec. 1988: 493-501. QH541.5.F7J68

Crossland, Norman O. A method for evaluating effects of toxic chemicals on the productivity of freshwater ecosystems. Ecotoxicology and environmental safety, v. 16, Dec. 1988: 279-292. QH545.A1E29

Cuffney, Thomas F., and J. Bruce Wallace. Leaf litter processing in coastal plain streams and floodplains of southeastern Georgia, U.S.A. Archiv für hydrobiologie. Supplement, v. 76, June 1987: 1-24. QH301.A4932

Ogutu-Ohwayo, Richard. Reproductive potential of the Nile perch, Lates niloticus L. and the establishment of the species in Lakes Kyoga and Victoria (East Africa). Hydrobiologia, v. 162, May 24, 1988: 193-200. QH90.H9

Rahel, Frank J., and Roy A. Stein. Complex predator-prey interactions and predator intimidation among crayfish, piscivorous fish, and small benthic fish. Oecologia, v. 75, no. 1, 1988: 94-98. QH540.O3

Schindler, D. W. Effects of acid rain on freshwater ecosystems. Science, v. 239, Jan. 8, 1988: 149-157. Q1.S35

REPORTS and other types of literature are indexed in the following guides:

Government Reports Announcements & Index (1946-) Z7916.G78*
See: Eutrophication; Limnology; Marshes; Rivers; Streams; Swamps; Wetlands; etc.
Headings beginning Fresh Water and Freshwater; Lake(s)

Monthly Catalog of United States Government Publications (1895-) Z1223.A18*
See: Eutrophication; Limnology
Headings beginning Freshwater; Lake(s); Pond; River(s); Stream; Wetland(s); etc.

SELECTED TECHNICAL REPORTS, sold by the National Technical Information Service, Springfield, Virginia 22161, include the following:

Brooks, Robert P., Dean E. Arnold, and Edward D. Bellis. Wildlife and plant communities of selected wetlands: Pocono region of Pennsylvania. Prepared for National Wetlands Research Center, Slidell, La. University Park, Pennsylvania State University, 1987. 41 p. (NWRC open file report, 87-02) PB88-118872**

Chemical characteristics of prairie lakes in south-central North Dakota: their potential for influencing use by fish and wildlife. By George A. Swanson and others. Washington, U.S. Dept. of the Interior, Fish and Wildlife Service, 1988. 44 p. (Fish and wildlife technical report, 18) GB1625.N9C48 1988 and PB89-104285**

Damman, Antoni W. H., and Thomas W. French. The ecology of peat bogs of the glaciated northeastern United States: a community profile. Project officer, Walter G. Duffy. Washington, National Wetlands Research Center, Fish and Wildlife Service, U.S. Dept. of the Interior, 1987. 100 p. (Biological report, 85 (7.16))
Bibliography: p. 85-95. QH104.5.N58D36 1987 and PB88-184700**

Glaser, Paul H. The ecology of patterned boreal peatlands of northern Minnesota: a community profile. Performed for U.S. Department of the Interior, Fish and Wildlife Service, Research and Development, National Wetlands Research Center. Washington, The Center, 1987. 98 p. (Biological report, 85-7 (7.14))
Bibliography: p. 75-85. QH105.M55G58 1987 and PB88-132600**

Korschgen, Carl E., and William L. Green. American wildcelery (Vallisneria americana): ecological considerations for restoration. Washington, U.S. Dept. of the Interior, Fish and Wildlife Service, 1988 [i.e. 1989]. 24 p. (Fish and wildlife technical report, 19)
Bibliography: p. 20-24. QK495.H86K67 1989 and PB89-155345**

**Available in microform collection, Science Reading Room

SELECTED MATERIALS available in the Science Reading Room pamphlet boxes include:

Carey, John. Science in a tub. National wildlife, v. 25, June/July 1987: 32-35.
Tells how to build simple backyard ponds for ecological studies.

The Great Lakes: an environmental atlas and resource book. Jointly produced by Environment Canada, Conservation and Protection, Ontario Region, Great Lakes Environment Program and Water Planning and Management Branch and United States Environmental Protection Agency, Great Lakes National Program Office and Brock University, Institute of Urban and Environmental Studies and Northwestern University, Center for Urban Affairs and Policy Research. Principal authors, Lee Botts, Bruce Krushelnicki; cartographic editor, Alun Hughes. Chicago, Great Lakes National Program Office, U.S. Environmental Protection Agency, 1987. 44 p.

Hammar, Johan. Freshwater ecosystems of polar regions: vulnerable resources. Ambio, v. 18, no. 1, 1989: 6-22.

Kling, George W. Seasonal mixing and catastrophic degassing in tropical lakes, Cameroon, West Africa. Science, v. 237, Aug. 28, 1987: 1022-1024.

Magnuson, J. J., and Carl J. Bowser. A network for long-term ecological research in the United States. Freshwater biology, v. 23, Feb. 1990: 137-143.

Martin, Glen. Spring fever. Discover, v. 11, Mar. 1990: 70-74.
Briefly describes California's vernal pools.

Mazumder, A., and others. Effects of fish and plankton on lake temperature and mixing depth. Science, v. 247, Jan. 19, 1990: 312-315.

Patrick, Ruth. Importance of diversity in the functioning and structure of riverine communities. Limnology and oceanography, v. 33, Nov. 1988: 1304-1307.

Sletto, Jacqueline, and Bjørn Sletto. For peat's sake. Minnesota (University of Minnesota Alumni Association), v. 89, Jan./Feb. 1990: 26-29.

Tufty, Barbara. Wetlands: betwixt and between. Atlantic naturalist, v. 38, 1988: 8-23.
Emphasis is on areas near Washington, D.C.

ADDITIONAL SOURCES OF INFORMATION

To identify the current addresses of relevant organizations and research projects, consult the Encyclopedia of Associations (AS22.E5*), Research Centers Directory (AS25.D5*), and Life Sciences Organizations and Agencies Directory (QH321.L54 1988*) under such keywords as Fresh Water, Freshwater, Limnology, and Aquatic Biology.